



IFWO

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/735,118

DATE: 07/23/2004  
TIME: 16:29:07

Input Set : A:\SEQLIST.6270-701.201.ST25.txt  
Output Set: N:\CRF4\07232004\J735118.raw

3 <110> APPLICANT: Bacus, Sarah S.  
 4 Smith, Bradley L.  
 6 <120> TITLE OF INVENTION: METHOD FOR PREDICTING THE RESPONSE TO HER2-DIRECTED THERAPY  
 8 <130> FILE REFERENCE: 6270-701.201  
 10 <140> CURRENT APPLICATION NUMBER: US 10/735,118  
 11 <141> CURRENT FILING DATE: 2003-12-11  
 13 <150> PRIOR APPLICATION NUMBER: US 60/370,473  
 14 <151> PRIOR FILING DATE: 2002-04-05  
 16 <150> PRIOR APPLICATION NUMBER: US 60/432,943  
 17 <151> PRIOR FILING DATE: 2002-12-11  
 19 <150> PRIOR APPLICATION NUMBER: US 10/408,520  
 20 <151> PRIOR FILING DATE: 2003-04-07  
 22 <160> NUMBER OF SEQ ID NOS: 3  
 24 <170> SOFTWARE: PatentIn version 3.1  
 26 <210> SEQ ID NO: 1  
 27 <211> LENGTH: 480  
 28 <212> TYPE: PRT  
 29 <213> ORGANISM: Homo sapiens  
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 38 20 25 30  
 41 Gly Thr Phe Ile Gly Tyr Lys Glu Arg Pro Gln Asp Val Asp Gln Arg  
 42 35 40 45  
 45 Glu Ala Pro Leu Asn Asn Phe Ser Val Ala Gln Cys Gln Leu Met Lys  
 46 50 55 60  
 49 Thr Glu Arg Pro Arg Pro Asn Thr Phe Ile Ile Arg Cys Leu Gln Trp  
 50 65 70 75 80  
 53 Thr Thr Val Ile Glu Arg Thr Phe His Val Glu Thr Pro Glu Glu Arg  
 54 85 90 95  
 57 Glu Glu Trp Thr Thr Ala Ile Gln Thr Val Ala Asp Gly Leu Lys Lys  
 58 100 105 110  
 61 Gln Glu Glu Glu Met Asp Phe Arg Ser Gly Ser Pro Ser Asp Asn  
 62 115 120 125  
 65 Ser Gly Ala Glu Glu Met Glu Val Ser Leu Ala Lys Pro Lys His Arg  
 66 130 135 140  
 69 Val Thr Met Asn Glu Phe Glu Tyr Leu Lys Leu Leu Gly Lys Gly Thr  
 70 145 150 155 160  
 73 Phe Gly Lys Val Ile Leu Val Lys Glu Lys Ala Thr Gly Arg Tyr Tyr  
 74 165 170 175  
 77 Ala Met Lys Ile Leu Lys Lys Glu Val Ile Val Ala Lys Asp Glu Val  
 78 180 185 190

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81 Ala His Thr Leu Thr Glu Asn Arg Val Leu Gln Asn Ser Arg His Pro  
82 195 200 205  
85 Phe Leu Thr Ala Leu Lys Tyr Ser Phe Gln Thr His Asp Arg Leu Cys  
86 210 215 220  
89 Phe Val Met Glu Tyr Ala Asn Gly Gly Glu Leu Phe Phe His Leu Ser  
90 225 230 235 240  
93 Arg Glu Arg Val Phe Ser Glu Asp Arg Ala Arg Phe Tyr Gly Ala Glu  
94 245 250 255  
97 Ile Val Ser Ala Leu Asp Tyr Leu His Ser Glu Lys Asn Val Val Tyr  
98 260 265 270  
101 Arg Asp Leu Lys Leu Glu Asn Leu Met Leu Asp Lys Asp Gly His Ile  
102 275 280 285  
105 Lys Ile Thr Asp Phe Gly Leu Cys Lys Glu Gly Ile Lys Asp Gly Ala  
106 290 295 300  
109 Thr Met Lys Thr Phe Cys Gly Thr Pro Glu Tyr Leu Ala Pro Glu Val  
110 305 310 315 320  
113 Leu Glu Asp Asn Asp Tyr Gly Arg Ala Val Asp Trp Trp Gly Leu Gly  
114 325 330 335  
117 Val Val Met Tyr Glu Met Met Cys Gly Arg Leu Pro Phe Tyr Asn Gln  
118 340 345 350  
121 Asp His Glu Lys Leu Phe Glu Leu Ile Leu Met Glu Glu Ile Arg Phe  
122 355 360 365  
125 Pro Arg Thr Leu Gly Pro Glu Ala Lys Ser Leu Leu Ser Gly Leu Leu  
126 370 375 380  
129 Lys Lys Asp Pro Lys Gln Arg Leu Gly Gly Ser Glu Asp Ala Lys  
130 385 390 395 400  
133 Glu Ile Met Gln His Arg Phe Phe Ala Gly Ile Val Trp Gln His Val  
134 405 410 415  
137 Tyr Glu Lys Lys Leu Ser Pro Pro Phe Lys Pro Gln Val Thr Ser Glu  
138 420 425 430  
141 Thr Asp Thr Arg Tyr Phe Asp Glu Glu Phe Thr Ala Gln Met Ile Thr  
142 435 440 445  
145 Ile Thr Pro Pro Asp Gln Asp Asp Ser Met Glu Cys Val Asp Ser Glu  
146 450 455 460  
149 Arg Arg Pro His Phe Pro Gln Phe Ser Tyr Ser Ala Ser Ser Thr Ala  
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158 <400> SEQUENCE: 2  
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164 Glu Val Asp Asp Glu Arg Lys Leu Arg Thr Phe Tyr Glu Lys Arg Met  
165 20 25 30  
168 Ala Thr Glu Val Ala Ala Asp Ala Leu Gly Glu Glu Trp Lys Gly Tyr  
169 35 40 45  
172 Val Val Arg Ile Ser Gly Gly Asn Asp Lys Gln Gly Phe Pro Met Lys  
173 50 55 60

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176 Gln Gly Val Leu Thr His Gly Arg Val Arg Leu Leu Ser Lys Gly  
177 65 70 75 80  
180 His Ser Cys Tyr Arg Pro Arg Arg Thr Gly Glu Arg Lys Arg Lys Ser  
181 85 90 95  
184 Val Arg Gly Cys Ile Val Asp Ala Asn Leu Ser Val Leu Asn Leu Val  
185 100 105 110  
188 Ile Val Lys Lys Gly Glu Lys Asp Ile Pro Gly Leu Thr Asp Thr Thr  
189 115 120 125  
192 Val Pro Arg Arg Leu Gly Pro Lys Arg Ala Ser Arg Ile Arg Lys Leu  
193 130 135 140  
196 Phe Asn Leu Ser Lys Glu Asp Asp Val Arg Gln Tyr Val Val Arg Lys  
197 145 150 155 160  
200 Pro Leu Asn Lys Glu Gly Lys Lys Pro Arg Thr Lys Ala Pro Lys Ile  
201 165 170 175  
204 Gln Arg Leu Val Thr Pro Arg Val Leu Gln His Lys Arg Arg Arg Ile  
205 180 185 190  
208 Ala Leu Lys Lys Gln Arg Thr Lys Lys Asn Lys Glu Glu Ala Ala Glu  
209 195 200 205  
212 Tyr Ala Lys Leu Leu Ala Lys Arg Met Lys Glu Ala Lys Glu Lys Arg  
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216 Gln Glu Gln Ile Ala Lys Arg Arg Arg Leu Ser Ser Leu Arg Ala Ser  
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225 <211> LENGTH: 379  
226 <212> TYPE: PRT  
227 <213> ORGANISM: Homo sapiens  
229 <400> SEQUENCE: 3  
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232 1 5 10 15  
235 Thr Glu Gly Val Gly Pro Gly Val Pro Gly Glu Val Glu Met Val Lys  
236 20 25 30  
239 Gly Gln Pro Phe Asp Val Gly Pro Arg Tyr Thr Gln Leu Gln Tyr Ile  
240 35 40 45  
243 Gly Glu Gly Ala Tyr Gly Met Val Ser Ser Ala Tyr Asp His Val Arg  
244 50 55 60  
247 Lys Thr Arg Val Ala Ile Lys Lys Ile Ser Pro Phe Glu His Gln Thr  
248 65 70 75 80  
251 Tyr Cys Gln Arg Thr Leu Arg Glu Ile Gln Ile Leu Leu Arg Phe Arg  
252 85 90 95  
255 His Glu Asn Val Ile Gly Ile Arg Asp Ile Leu Arg Ala Ser Thr Leu  
256 100 105 110  
259 Glu Ala Met Arg Asp Val Tyr Ile Val Gln Asp Leu Met Glu Thr Asp  
260 115 120 125  
263 Leu Tyr Lys Leu Leu Lys Ser Gln Gln Leu Ser Asn Asp His Ile Cys  
264 130 135 140  
267 Tyr Phe Leu Tyr Gln Ile Leu Arg Gly Leu Lys Tyr Ile His Ser Ala  
268 145 150 155 160

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271 Asn Val Leu His Arg Asp Leu Lys Pro Ser Asn Leu Leu Ile Asn Thr  
272 165 170 175  
275 Thr Cys Asp Leu Lys Ile Cys Asp Phe Gly Leu Ala Arg Ile Ala Asp  
276 180 185 190  
279 Pro Glu His Asp His Thr Gly Phe Leu Thr Glu Tyr Val Ala Thr Arg  
280 195 200 205  
283 Trp Tyr Arg Ala Pro Glu Ile Met Leu Asn Ser Lys Gly Tyr Thr Lys  
284 210 215 220  
287 Ser Ile Asp Ile Trp Ser Val Gly Cys Ile Leu Ala Glu Met Leu Ser  
288 225 230 235 240  
291 Asn Arg Pro Ile Phe Pro Gly Lys His Tyr Leu Asp Gln Leu Asn His  
292 245 250 255  
295 Ile Leu Gly Ile Leu Gly Ser Pro Ser Gln Glu Asp Leu Asn Cys Ile  
296 260 265 270  
299 Ile Asn Met Lys Ala Arg Asn Tyr Leu Gln Ser Leu Pro Ser Lys Thr  
300 275 280 285  
303 Lys Val Ala Trp Ala Lys Leu Phe Pro Lys Ser Asp Ser Lys Ala Leu  
304 290 295 300  
307 Asp Leu Leu Asp Arg Met Leu Thr Phe Asn Pro Asn Lys Arg Ile Thr  
308 305 310 315 320  
311 Val Glu Glu Ala Leu Ala His Pro Tyr Leu Glu Gln Tyr Tyr Asp Pro  
312 325 330 335  
315 Thr Asp Glu Pro Val Ala Glu Glu Pro Phe Thr Phe Ala Met Glu Leu  
316 340 345 350  
319 Asp Asp Leu Pro Lys Glu Arg Leu Lys Glu Leu Ile Phe Gln Glu Thr  
320 355 360 365  
323 Ala Arg Phe Gln Pro Gly Val Leu Glu Ala Pro  
324 370 375

**VERIFICATION SUMMARY**

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Input Set : A:\SEQLIST.6270-701.201.ST25.txt

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